

# Air Conditioning and Refrigeration

AIR CONDITIONING, WATER & WELDING TECHNOLOGIES

Major 20909

This program is designed to prepare the student for employment in the broad field of air conditioning, heating and refrigeration and leads to occupations in design, manufacturing, operation, sales, distribution, installation, maintenance and repair. Students desiring a Bachelor's Degree (*transfer program*) should consult with a counselor or advisor to discuss transferability of courses.

## Requirements for the Major

### Required courses:

AIRC 10	Technical Mathematics in Air Conditioning and Refrigeration	2.0
AIRC 11	Welding for Air Conditioning and Refrigeration	2.0
AIRC 12	Air Conditioning Codes and Standards	3.0
AIRC 20	Refrigeration Fundamentals	3.0
AIRC 25	Electrical Fundamentals for Air Conditioning and Refrigeration	4.0
AIRC 26A	Heat Pump Fundamentals	1.5
AIRC 26B	Gas Heating Fundamentals	2.0
AIRC 30	Heat Load Calculations	3.0
AIRC 31	Commercial Electrical for Air Conditioning and Refrigeration	4.0
AIRC 32A	Air Properties and Measurement	1.5
AIRC 32B	Air Distribution Systems	1.5
AIRC 34	Advanced Mechanical Refrigeration	4.0
AIRC 37	Pneumatic Controls	2.0
AIRC 39	Building Automation Systems	4.0
<b>TOTAL UNITS</b>		<b>37.5</b>